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INTRODUCTION

The One For All 3 Device Universal Remote Control (URC-3021) is designed to remotely operate up to three home entertainment devices. It also features intuitive and easy-to-use keys for instant control of DVD and PVR (or DVR) components. Moreover, its sophisticated technology will allow you to consolidate your original home entertainment remote controls into one easy-to-use product. Advanced features include:

- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices

- Direct code setup for easy device programming

- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices

- *Power Macro* for master on/off control of all of your equipment with a single keystroke

- *Volume Lock/Unlock* feature to lock or unlock the volume control to one mode or individual modes

- *Device Key Re-Assignment* to remotely control a second (duplicate) device

- *Channel Scan* and *Favorite Channel Scan* for easy channel surfing

- Color-coded keys to quickly locate popular functions

- Extensive code library for popular video devices including DVD players and PVRs (or DVRs)

The URC-3021 remote control requires two (2) new AAA alkaline batteries (not included) and some easy programming to control your devices. For best results, please read and perform all instructions listed here. Also, keep this guide for future reference.
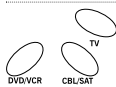
FEATURES AND FUNCTIONS

Use the illustration below to locate features on the One For All 3 Device Universal Remote Control (URC-3021) and then study the *Key Charts* (on the next two pages) to learn how they function.

To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.
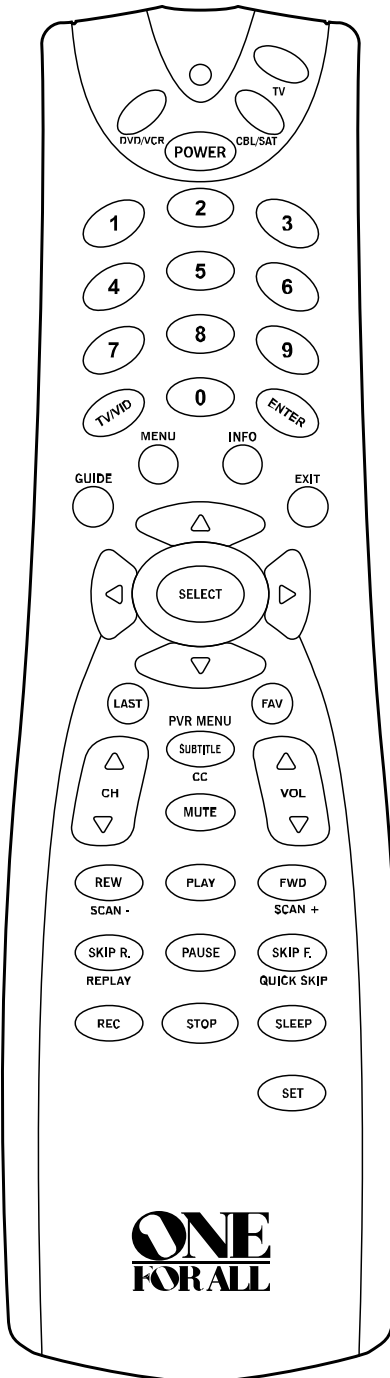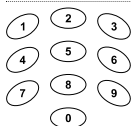
Key Charts

○	When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals.
	Press **DVD/VCR**, **CBL/SAT**, or **TV** once to select a desired home entertainment device to control. Also see the *Device Table* on page 6.
(POWER)	Press **POWER** once to turn on or off the selected device. For master power control, see *Programming A Master Power Macro* on page 10.
1 2 3 4 5 6 7 8 9 0	Use the keypad (**1** ~ **9** and **0**) to directly select channels (e.g., **009** or **031**).
(TV/VID)	Use **TV/VID** to switch the TV's input to view TV or video programs.
(ENTER)	Press **ENTER** once after entering the channel numbers on some TVs.
GUIDE ○	Use **GUIDE** to display your selected device's program guide or setup menu.
MENU ○	Press **MENU** once to display your selected device's main menu.
INFO ○	Use **INFO** to display the current channel and program or on-screen directory.
EXIT ○	Use **EXIT** to exit from your selected device's guide or menu.
Cursor Keys / SELECT	Use the **Cursor Keys** to move the cursor in the program guide and menu screens. Use **SELECT** (OK) to choose options from your selected device's menu or guide.
(LAST)	Press **LAST** once to recall the last channel.
(FAV)	Use **FAV** to scan all channels, or after programming, to scan up to 10 favorite channels.
CH △ ▽	Use **CH▲** (or **CH▼**) to select the next higher (or lower) channel.
PVR MENU SUBTITLE CC	Press **SUBTITLE/CC** once to display (or turn off) subtitles or closed captions, if available on your DVD player or cable/satellite service. For a PVR (or DVR), press **PVR MENU** once to display a list of your recorded shows.
(MUTE)	Press **MUTE** once to turn the sound off or on.
VOL △ ▽	Use **VOL▲** (or **VOL▼**) to raise (or lower) the sound volume.
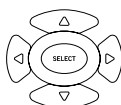
5

REW PLAY FWD / **SCAN -** / **SKIP R. PAUSE SKIP F.** / **REPLAY** / **QUICK SKIP** / **STOP SLEEP**	Use **REW**, **PLAY**, **FWD**, **PAUSE**, or **STOP** to control your VCR, PVR (or DVR), or DVD player.
	For a DVD player, use **SKIP F.** or **SKIP R.** to view the next or previous chapter.
	For a VCR, PVR (or DVR), or VOD (if available), use **SCAN-** or **SCAN+** to quickly scan forward or back through a video program. Use **REPLAY** for an instant replay. Use **QUICK SKIP** to advance the video program a preset amount (as set on your device).
REC	Press **REC** twice to record a VCR or PVR (or DVR) program.
SLEEP	Use **SLEEP** to set the sleep timer on a selected device if equipped with this feature.
SET	Use **SET** for all programming sequences.

Device Table

NOTE: Please refer to the table below when performing the instructions in "Programming Device Control" on page 8.

After programming, the One For All 3 Device Universal Remote Control will be able to control the following types of devices:

DEVICE KEY	CONTROLS THESE TYPES OF DEVICES
DVD/VCR	• DVD Player • VCR • PVR (or DVR) • TV/DVD Player Combo • VCR/DVD Player Combo • TV/VCR Combo • TV/VCR/DVD Player Combo • VCR/DVD Player Combo
CBL/SAT	• Cable Box (or Converter) • Cable Box/PVR (or DVR) Combo • Satellite Receiver • Satellite Receiver/PVR (or DVR) Combo
TV	• Television

INSTALLING BATTERIES
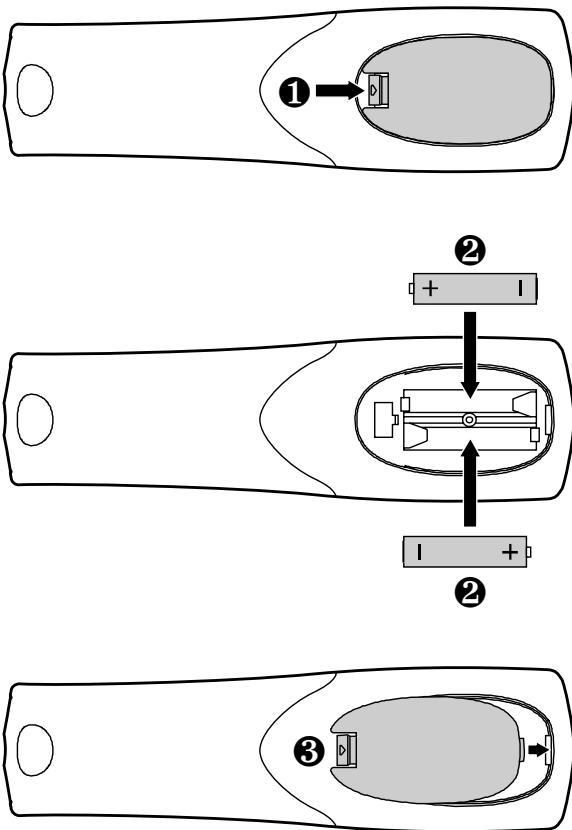
1.   On the remote control's back, push the tab and lift off the battery cover.

2.   Obtain two (2) new AAA alkaline batteries. Match the + and – marks on the batteries to the + and – marks in the battery case, then insert the new batteries.

3.   Press the battery cover back into place. The tab should click when the cover is locked.

4.   Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the **LED** (red light) will blink.

NOTE: When batteries need replacement, the remote control will stop operating. Remove the old batteries and insert new ones within 10 minutes to ensure all of your programming information is restored.
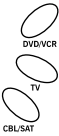
PROGRAMMING DEVICE CONTROL

The One For All 3 Device Universal Remote Control is preprogrammed at the factory to operate an RCA TV, a Toshiba DVD player, and a Motorola cable box. To control devices other than the default brands, perform the following steps; otherwise skip this section:

1. Turn on a desired device (e.g., VCR or DVD player) and, if applicable, insert media (e.g., cassette or disc).

   NOTE: Please read steps 2 through 4 completely before proceeding. Highlight or write down the codes and device you wish to program before starting step 2.

2. On the remote control, press a device key once (i.e., **DVD/VCR**, **CBL/SAT**, or **TV**).

   *NOTE: To program control of a VCR, PVR (or DVR), TV/VCR Combo, or TV/VCR/DVD Player Combo press **DVD/VCR** once. After programming a VCR Combo device, you will be able to control channel selection, volume, and VCR functions.*

   *NOTE: To program control of a DVD Player, DVD Player/VCR Combo, or TV/DVD Player Combo, press **DVD/VCR** once. After programming a DVD Combo device, you will be able to control channel selection, volume, and DVD functions.*

   *NOTE: To program control of a Cable Box, Cable Box/PVR (or DVR) Combo, Satellite Receiver, or a Satellite Receiver/PVR (or DVR) Combo, press **CBL/SAT** once.*

3. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

4. Use the *Manufacturer's Codes* (starting on page 18) to locate the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the **LED** will blink twice.

   *NOTE: If the **LED** did not blink twice, repeat steps 2 through 4 and enter the same code again.*

5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 2 through 5, trying each code for your brand until you find one that works. If it still doesn't work, try *Searching For Your Code on next page*.

   *NOTE: If the device does not have a **POWER** key, press **PLAY**.*

6. Repeat steps 1 through 5 for each device you want to control. For future reference, write down each working device code in the following boxes:

   DVD/VCR Code:

   ☐ ☐ ☐ ☐
   Device Type:_____

   CBL/SAT Code:

   ☐ ☐ ☐ ☐
   Device Type:_____

   TV Code:

   ☐ ☐ ☐ ☐
   Device Type:_____

SEARCHING FOR YOUR CODE

If your device does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code.

NOTE: Before performing a code search for a DVD player or a VCR, turn on the device and insert the required media.

For example, to search for a code for your TV:

1. On the remote control, press **TV** once.
   TV

2. **SET** Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. **9** Enter **9** - **9** - **1**. The **LED** will blink twice.
   9
   1

4. **POWER** Aim the remote control at the TV and slowly alternate between pressing **POWER** and **TV**. Stop when the TV turns off (after pressing **POWER**). If the device does not have a Power key, you can substitute another function, such as digits **0** ~ **9** , **CH▲**, or **PLAY**).
   TV

   NOTE: In the search mode, the remote control will send IR codes from its library to the selected device, starting with the most popular code first.

5. **SET** To lock in the code, press and release **SET**. The **LED** will blink twice.

6. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate device key for the device you are searching for.

CHECKING THE CODES

If you have set up the remote control using the *Searching For Your Code* procedure as above, you may need to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

1. On the remote control, press **TV** once.
   TV

2. **SET** Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. **9** Enter **9** - **9** - **0**. The **LED** will blink twice.
   9
   0

4. **1** To view the code for the first digit, press **1** once. Wait 3 seconds, count the **LED** blinks (e.g., three blinks = 3) and write down the number in the leftmost box in the TV code boxes on page 8.

   *NOTE: If a code digit is "0", the **LED** will not blink.*

9

5. (2) (3) (4) Repeat step 4 (on the previous page) three more times for remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit. Write down the code digits in the remaining TV code boxes on page 8.

6. To check for codes of other devices, repeat steps 1 through 5 (starting on the previous page), but substitute the appropriate device key for each device you are checking. Write down the device's code digits in the appropriate code boxes on page 8.

PROGRAMMING A MASTER POWER MACRO

In its default state, the **POWER** key on the One For All 3 Device Universal Remote Control will individually power your home entertainment devices on or off. However, you can also program a *Master Power Macro* onto the **POWER** key that will sequentially turn on or off all the devices with a single key press.

Programming The Power Key For The Master Power Macro

1. (SET) Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. (9) (9) (5) (POWER) Enter **9** - **9** - **5**. The **LED** will blink twice. Then press **POWER** once.

3. (CBL/SAT) For the first device you want in the power-on sequence, press its device key (e.g., **CBL/SAT**) once.

4. Repeat step 3 up to two more times to add desired devices to the power-on sequence (e.g., **DVD/VCR** and **TV**).

5. (SET) To save the settings and exit the program, press and hold **SET** until the **LED** blinks twice, then release **SET**.

Operating The Master Power Macro

1. (POWER) After programming, point the remote control at the devices and press **POWER** for at least 2 seconds to sequentially turn on (or off) your devices.

NOTE: When POWER is pressed for less than 2 seconds, a power command will only be sent to the currently-selected device. This allows you to still individually power devices on or off.

2. Devices will turn on (or off) according to your programmed sequence.

NOTE: The currently-selected device will always turn on or off first, followed by the remaining programmed sequence. After the master power sequence has been completed, the remote control will be set to control the first powered-on device.

NOTE: If one or more devices does not have a POWER key, the power off/on sequence may be slightly delayed when the remote control signals the device(s). This action is normal.

PROGRAMMING A MASTER POWER MACRO (cont'd)

Clearing The Master Power Macro

1. **SET**   Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. **9** **9** **5** **POWER**   Enter **9** - **9** - **5**. The **LED** will blink twice. Then press **POWER** once.

3. **SET**   Press and hold **SET** until the **LED** blinks twice, then release **SET**. The *Master Power Macro* is now cleared.

RE-ASSIGNING DEVICE KEYS

The One For All 3 Device Universal Remote Control can be set to control a DVD player and a VCR (or a PVR) or a second DVD player by re-assigning the unused **CBL/SAT** key as follows:

1. **SET**   On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. **9** **9** **2**   Enter **9** - **9** - **2**. The **LED** will blink twice.

3. **DVD/VCR**   Press **DVD/VCR** once.

4. **CBL/SAT**   Press **CBL/SAT** once. The **LED** will blink twice. The **CBL/SAT** key is now ready to be set up to control your VCR (or PVR) or second DVD player. See *Programming Device Control* on page 8.

NOTE: Only one device can be assigned to an unused device key at a time.

USING CHANNEL SCAN
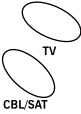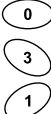
In the **CBL/SAT** or **TV** mode, use the **FAV** key to start a 3-second scan of all channels. Or, if programmed, use the **FAV** key to scan only your favorite channels to view a desired channel (see *Programming Favorite Channel Scan* on next page.)

1. **TV** **CBL/SAT**   Press **CBL/SAT** or **TV** once.

2. **FAV**   Press **FAV** once.

   • If *Favorite Channel Scan* has been set up, scanning of favorite channels will start with up to 100 channel changes or until stopped by pressing any key.

   • If *Favorite Channel Scan* has not been set up, scanning will start with the current channel, and continue up to 100 channel changes or until stopped by pressing any key.

3.   To stop scanning channels at any time, press any key once.

PROGRAMMING FAVORITE CHANNEL SCAN

In the **CBL/SAT** or **TV** mode, you can store a list of up to 10 favorite channels, in any order, that will be immediately scanned when **FAV** is pressed (see *Using Channel Scan* on the previous page).

NOTE: Favorite channels can only be programmed for one mode. After programming, if FAV is pressed while in another mode, the remote control will start scanning all channels instead (if applicable to the selected device).

1. On the remote control, press **CBL/SAT** or **TV** once.

2. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. Enter **9** - **9** - **6**. The **LED** will blink twice.

4. Use the keypad to enter a favorite channel number (e.g., **031**). Then press **SET** once.

   NOTE: If the original remote control required pressing an Enter key to change the channel, also press the ENTER key after the channel number (e.g., 0 - 3 - 1 - ENTER). On some satellite receivers and cable boxes, you may need to press the SELECT (OK) key instead of ENTER.

5. If desired, repeat step 4 for each channel to be stored, up to a total of 10 channels.

   NOTE: If you try entering more than 10 channels, the remote control will automatically exit programming. To change your favorite channel list at this point, you will first need to delete the existing list by performing the steps in "Clearing Custom Programming" on page 14. Then, perform the instructions in this section once again.

6. To exit programming with less than 10 favorite channels stored, press and hold **SET** until the **LED** blinks twice. Otherwise, the remote control will automatically exit the program after 10 channels have been stored.

CHANGING VOLUME LOCK

The One For All 3 Device Universal Remote Control is set at the factory for independent volume control of each selected device. However, you may change the Volume Lock setting to *Global Volume Lock* so that a device's volume will be locked to one mode (e.g., to control TV volume in all other modes). After that, if desired, you can perform *Individual Volume Unlock* on a selected device to set its volume control for independent operation.

Locking Volume Control To One Mode (Global Volume Lock)

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

CHANGING VOLUME LOCK (cont'd)

Locking Volume Control To One Mode (Global Volume Lock)

2. **9**
   9
   3

Enter **9** - **9** - **3** and then press any mode key once (e.g., **TV**). The **LED** will blink twice.

3.

Now, when you press **VOL ▲**, **VOL ▼**, or **MUTE**, the volume of the selected device (e.g., **TV**) will be controlled, regardless of the mode you have selected.

Unlocking Volume Control For A Single Device (Individual Volume Unlock)

1.

After performing *Global Volume Lock* (above), press a desired mode key where you want volume to be unlocked (e.g., **DVD/VCR**) and controlled within its own mode.

2. **SET**

Press and and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. **9**
   9
   3

Enter **9** - **9** - **3** and then press **VOL ▼** once. The **LED** will blink four times.

VOL ▽

4.

If desired, repeat steps 1 through 3 (of this section) for each device that you want volume to be unlocked.

5.

After selecting a device that has volume unlocked (e.g., **DVD/VCR**), pressing **VOL ▲**, **VOL ▼**, or **MUTE** will control the device's volume only in its own mode.

Unlocking All Volume Control (Restoring Default Setting)

NOTE: Performing these instructions will restore independent volume control for all programmed devices (e.g., TV volume control in TV mode, VCR volume in DVD/VCR mode, etc.).

1. **SET**

On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. **9**
   9
   3

Enter **9** - **9** - **3** and then press **VOL ▲** once. The **LED** will blink four times.

△ VOL

3.

Volume will again be independently controlled according to its default states for all programmed devices.

CLEARING CUSTOM PROGRAMMING

The One For All 3 Device Universal Remote Control contains an *Operational Feature Reset* program. If desired, you can use it to clear custom programming, except your setup codes and reassigned device keys, and reset them to original factory settings. Also see *Restoring Factory Default Settings* below.

IMPORTANT: Executing this program will erase all your custom settings for Power Macro, Favorite Channels, and Volume Lock.

1. **SET**   Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. **9** **8** **0**   Enter **9** - **8** - **0**. The **LED** will blink twice. The remote control will return to normal operation.

RESTORING FACTORY DEFAULT SETTINGS

The One For All 3 Device Universal Remote Control also contains a *Factory Reset* program that you can use to reset all custom settings and setup codes to original factory settings. Also see *Clearing Custom Programming* above.

IMPORTANT: Executing this program will erase all your custom settings for Power Macro, Favorite Channels, Volume Lock, Reassigned Devices, and all device settings.

1. **SET**   Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. **9** **8** **1**   Enter **9** - **8** - **1**. The **LED** will blink twice. The remote control will return to normal operation.

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TROUBLESHOOTING

PROBLEM:	**LED** (red light) does not blink when you press a key.
SOLUTION:	Replace batteries with two new AAA alkaline batteries.
PROBLEM:	**LED** blinks when you press a key, but home entertainment device does not respond.
SOLUTION:	Make sure the remote control is aimed at your home entertainment device and is not farther than 15 feet away.
PROBLEM:	The unit does not control home entertainment devices or commands are not working properly.
SOLUTION:	Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control.
PROBLEM:	Changing channels does not work.
SOLUTION:	If original remote required pressing ENTER or SELECT to change channels, press **ENTER** or **SELECT** on this remote after entering the channel number.
PROBLEM:	Tried *Searching For Your Code* method and still could not find a working code.
SOLUTION:	Clear the device key as follows: Press and hold **SET** until the **LED** (red light) blinks twice, then release. Next enter **9** - **9** - **2**. Then press the device key to be cleared twice. Now repeat the *Searching For Your Code* method on page 9.
PROBLEM:	**CH▲** and **CH▼** do not work for your RCA TV.
SOLUTION:	Due to RCA design (1983-1987), only the original remote control will operate these functions.
PROBLEM:	No remote control of volume.
SOLUTION:	See *Changing Volume Lock* on page 12 to lock/unlock volume.

For assistance, please contact us in any of the following ways:

- E-mail: ofasupport@ueic.com
- Internet: http://www.oneforall.com
- Consumer Help Line: (330) 405-8612

INSTRUCTIONS TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect equipment into an outlet or a circuit different from that to which the receiver is connected.
- Consult dealer or experienced radio/TV technician for help.

LIFETIME WARRANTY

One For ALL ("OFA") warrants this product to be free from defects in materials and workmanship, under normal use, throughout the period of the product's ownership by the original purchaser. This warranty does not cover damages or failures caused by products or services not supplied by OFA, or which result from accident, misuses, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, or that is attributable to acts of God.

There are no express warranties except as listed above. OFA SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damagers, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

To obtain warranty service for a defective product, please return the product, preferably in the original carton, along with your purchase receipt, to the store of original purchase for the first 90 days. A note detailing the complaint would be helpful. The store, at its option, will replace or repair this product if found to be defective.

If the unit has been purchased more than 90 days ago, please return it to CT Global Inc. 8918 Stone Green Way, Louisville, KY 40220 together with the original receipt and $3.95 to cover postage and handling. It will be repaired or replaced at the manufacturer's option. The manufacturer reserves the right to substitute a currently manufactured model with equal or superior features.

One For All: (330) 405-8655

URC-3021   March 2004

ADDITIONAL INFORMATION

As you update your home entertainment system, One For All® has a universal remote control that will fit your needs. Look for these exciting products at a retailer near you:

One For All Access 3 . . . . URC-3605

One For All Big Easy 3-Device URC-3300

One For All DVD Expert 4-Device. URC-4041

One For All Big Easy 4-Device URC-4330

One For All Access 4. . . . . URC-4605

One For All Access 5. . . . . URC-5705

One For All 4 Device URC-4021

One For All 3 Device URC-3021

One For All PVR 6-Device URC-6131

One For All 6-Device Home Theater URC-6011

One For All 8-Device Home Theater URC-8011

One For All 8L-Device Home Theater
With Learning URC-8811

One For All A/V LCD 8 Device
With Learning URC-8910

One For All IR/RF LCD 8 Device
With Learning URC-9910

One For All 8 Device Home Theater Remote
Powered By Kameleon URC-9960

ONE FOR ALL® is the registered trademark of Universal Electronics Inc. Computime International Ltd. is the Licensee of the ONE FOR ALL® brand for USA and Canada.

The One For All® 3 Device Universal Remote Control is compatible for use in North America, excluding Mexico.

This One For All® 3 Device Universal Remote Control is covered by one or more of the following US Patents:

6,587,067	6,496,135	5,515,052	5,959,751
6,587,067	5,481,256		

MANUFACTURER'S CODES

Setup Codes for Cable Boxes

Americast	0899	Philips	0305, 0317
Bell South	0899	Pioneer	0877, 1877, 0144, 0533
Director	0476	Pulsar	0000
General Instrument	0476, 0810, 0276	Quasar	0000
GoldStar	0144	Runco	0000
Hamlin	0009	Samsung	0144
Jerrold	0476, 0810, 0276	Scientific Atlanta	0877, 1877, 0477
Memorex	0000	Sony	1006
Motorola	0476, 0810, 0276	Supercable	0276
Pace	0237	Toshiba	0000
Panasonic	0000, 0107	Zenith	0000, 0525, 0899
Paragon	0000		

Setup Codes for Cable Box/PVR (or DVR) Combos

Motorola	1376	Scientific Atlanta	1877
Pioneer	1877		

Setup Codes for DVD Players

Apex Digital	0672, 0717, 0794, 1056, 0755, 0797, 1100, 0796, 1061	Mintek	0839, 0717
		Mitsubishi	0521, 1521
Axion	1072	Nesa	0717
Blaupunkt	0717	Norcent	1003
Blue Parade	0571	Onkyo	0503
CineVision	0876	Oritron	0651
Curtis Mathes	1087	Panasonic	0490, 1762
CyberHome	1024, 1023, 0816	Philips	0503, 0539, 0646
Daewoo	0784	Pioneer	0525, 0571
Denon	0490	Polk Audio	0539
Dual	1068	Proscan	0522
DVD2000	0521	Qwestar	0651
Emerson	0591, 0675	RCA	0522, 0571, 0717
Enterprise	0591	Rotel	0623
Fisher	0670	Rowa	0823
Funai	0675	Samsung	0573, 1075, 0820
GE	0522, 0815, 0717	Sanyo	0670
Go Video	0744, 0715, 0783	Shinsonic	0533, 0839
GPX	0699	Sony	0533, 1533, 0864, 1033
Greenhill	0717	Sylvania	0675
Hitachi	0573	Symphonic	0675
Hiteker	0672	Technics	0490
JVC	0558, 0623	Theta Digital	0571
Kenwood	0490, 0534	Toshiba	0503
KLH	0717, 1020	Tredex	0799
Koss	0651	Urban Concepts	0503
Lasonic	0798	Xbox	0522
Magnavox	0503, 0675	Yamaha	0490, 0539, 0545
Marantz	0539	Zenith	0503, 0591
Microsoft	0522		

Setup Codes For DVD Player/VCR Combos

Apex Digital	1061	Sanyo	0104
Go Video	0744, 0715	Sony	0864
Hitachi	0000	Sylvania	0675, 0000
Panasonic	1762	Symphonic	0675, 0000
RCA	0060	Toshiba	0503
Samsung	1075, 0820		

MANUFACTURER'S CODES

Setup Codes for PVRs (or DVRs)

Panasonic	0616		Sonic Blue	0616, 0614
Philips	0618		Sony	0636
ReplayTV	0614, 0616		Tivo	0636, 0618

Setup Codes for Satellite Receivers

AlphaStar	0772		Mitsubishi	0749
DirecTV	0392, 0566, 0639, 0247, 0749, 1749, 0724, 0819, 1856		Motorola	0869
			Next Level	0869
Dish Network System	1005, 0775		Panasonic	0247, 0701
Dishpro	1005, 0775		Paysat	0724
Echostar	1005, 0775		Philips	0749, 1749, 0724, 0722
Expressvu	0775		Proscan	0392, 0566
GE	0566		RadioShack	0869
General Instrument	0869		RCA	0392, 0566, 0855, 0143
GOI	0775		Samsung	1276
Hitachi	0819		SKY	0856
HTS	0775		Sony	0639, 1639
Hughes Network Systems	0749, 1749		Star Choice	0869
			Toshiba	0749, 1749, 0790, 1285
JVC	0775		UltimateTV	0392, 0639
Magnavox	0724, 0722		Uniden	0724, 0722
Memorex	0724		Zenith	0856, 1856

Setup Codes for Satellite Receiver/PVR (or DVR) Combos

Echostar	1005		RCA	0392
Expressvu	0775		Sony	0639
Proscan	0392			

Setup Codes for TVs

AOC	0030		Crown Mustang	0672
Admiral	0093, 0463		Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1147, 1347
Advent	0761, 0842			
Aiko	0092			
Akai	0702, 0030, 0672, 0812		Daewoo	0451, 1661, 0092, 0672, 0623
Alfide	0672		Denon	0145
America Action	0180		Dumont	0017
Anam	0180		Durabrand	0178, 0180
Apex Digital	0748, 0765, 0767		Electroband	0000
Audiovox	0451, 0180, 0092, 0623		Emerson	0154, 0236, 0463, 0180, 0178, 0171, 0623
Baysonic	0180			
Bell & Howell	0154			
Bradford	0180		Envision	0030
Broksonic	0236, 0463		Fisher	0154
CXC	0180		Fujitsu	0683, 0809
Candle	0030		Funai	0180, 0171
Carnivale	0030		Futuretech	0180
Carver	0054		GE	0047, 0051, 0451, 0178, 1147, 1347
Celebrity	0000			
Celera	0765		Gateway	1755, 1756
Changhong	0765		Gibralter	0017, 0030
Cineral	0451, 0092		GoldStar	0030, 0178
Citizen	0060, 0030, 0092		Gradiente	0053
Clarion	0180		Grundig	0672
Contec	0180		Grunpy	0180
Craig	0180		Hallmark	0178
Crosley	0054		Harman/Kardon	0054
Crown	0180, 0672		Harvard	0180
			Havermy	0093
			Hello Kitty	0451

Hitachi	0145, 1145
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0463, 0053
Jensen	0761
KEC	0180
KLH	0765, 0767
KTV	0180, 0030
Kenwood	0030
Kioto	0706
LXI	0047, 0054, 0154, 0156, 0178
MGA	0150, 0030, 0178
MTC	0060, 0030
Magnavox	0054, 0706, 0030, 1454, 1254
Marantz	0054, 0030
Matsushita	0250, 0650
Megatron	0178, 0145
Memorex	0154, 0250, 0463, 0150, 0178
Midland	0047, 0017, 0051
Mitsubishi	0093, 0150, 1250, 0178, 0836
Motorola	0093
Multitech	0180
NAD	0156, 0178, 0866
NEC	0030, 1704, 0704
NTC	0092
Nikko	0030, 0178, 0092
Norcent	0748, 0824
Onwa	0180
Optimus	0154, 0250, 0166, 0650
Optonica	0093
Orion	0236, 0463
Panasonic	0051, 0250, 0650
Penney	0047, 0156, 0051, 0060, 0030, 0178, 1347
Philco	0054, 1661, 0463, 0030, 0145
Philips	0054, 1454, 0690
Pilot	0030
Pioneer	0166, 0866
Portland	0092
Prima	0761
Prism	0051
Proscan	0047
Proton	0178
Pulsar	0017
Quasar	0051, 0250, 0650

RCA	0047, 1047, 1147, 1247, 1347, 1447, 1547
RadioShack	0047, 0154, 0180, 0030, 0178
Realistic	0154, 0180, 0030, 0178
Runco	0017, 0030
SSS	0180
Sampo	0030, 1755
Samsung	0060, 0702, 0030, 0178, 0812
Sansei	0451
Sansui	0463
Sanyo	0154
Scotch	0178
Scott	0236, 0180, 0178
Sears	0047, 0054, 0154, 0156, 0178, 0171
Semivox	0180
Semp	0156
Sharp	0093
Sheng Chia	0093
Sony	0000, 1100, 0810
Soundesign	0180, 0178
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030, 0171
Symphonic	0180, 0171
TMK	0178
TNCi	0017
TVS	0463
Tandy	0093
Technics	0051, 0250
Techwood	0051
Teknika	0054, 0180, 0150, 0060, 0092
Telefunken	0702
Toshiba	0154, 0156, 0060, 1356, 1656, 1704, 0650
Toshiba	1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178
ViewSonic	1755
Wards	0054, 0030, 0178, 0866
Waycon	0156
White Westinghouse	0463, 0623
Yamaha	0030
Zenith	0017, 0463, 0178, 0092

Setup Codes For TV/DVD Player Combos

Sylvania	0675

Setup Codes For TV/VCR Combos

America Action	0278
Audiovox	0278
Broksonic	0479, 1479
Citizen	1278
Colt	0072
Curtis Mathes	1035
Daewoo	1278
Emerson	0479, 1479, 1278
Funai	0000
GE	0240, 1035, 0807, 1060

GoldStar	1237
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	1278
Magnavox	0000, 1781
Magnin	0240
Memorex	0162, 1237

MANUFACTURER'S CODES

Setup Codes For TV/VCR Combos, continued

MGA	0240		Sansui	0000, 1479, 0479
Mitsubishi	0807		Sanyo	0240
Optimus	0162		Sears	0000, 1237
Orion	1479, 0479		Sony	0000, 1232
Panasonic	0162, 1035		Sylvania	1781
Penney	0240, 1035, 1237		Symphonic	0000
Quasar	0162, 1035		Thomas	0000
RadioShack	0000		Toshiba	1145, 0845
RCA	0240, 0807, 1060, 1035		Zenith	0000, 1479, 0479
Samsung	1014			

Setup Codes For TV/VCR/DVD Player Combos

Sharp   0807

Setup Codes For VCRs

ABS	1972		Harley Davidson	0000
Admiral	0048, 0209		Harman/Kardon	0081, 0038
Adventura	0000		Harwood	0072
Aiko	0278		Hewlett Packard	1972
Aiwa	0037, 0000		HI-Q	0047
Akai	0041		Hitachi	0000, 0042, 0041
Alienware	1972		Hughes Network Systems	0042
America Action	0278		iBUYPOWER	1972
American High	0035		Jensen	0041
Asha	0240		JVC	0067, 0041
Audiovox	0037, 0278		KEC	0037, 0278
Beaumark	0240		Kenwood	0067, 0041, 0038
Bell & Howell	0104		KLH	0072
Broksonic	0184, 0121, 0209, 1479, 0479		Kodak	0035, 0037
Calix	0037		Lloyd's	0000
Canon	0035		Logik	0072
Carver	0081		LXI	0037
CCE	0072, 0278		Magnasonic	1278
Citizen	0037, 0278, 1278		Magnavox	0035, 0039, 0081, 0000, 1781
Colt	0072		Magnin	0240
Craig	0037, 0047, 0240, 0072		Marantz	0035, 0081
Curtis Mathes	0060, 0035, 0162, 0041, 1035		Marta	0037
Cybernex	0240		Matsushita	0035, 0162
CyberPower	1972		Media Center PC	1972
Daewoo	0045, 0278, 1278		MEI	0035
Denon	0042		Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0479, 1237
Durabrand	0038, 0039			
Dynatech	0000			
Electrohome	0037		MGA	0240, 0043
Electrophonic	0037		MGN Technology	0240
Emerex	0032		Microsoft	1972
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0278, 0479, 1479, 1278		Mind	1972
			Minolta	0042
Fisher	0047, 0104		Mitsubishi	0067, 0043, 0807
Fuji	0035, 0033		Motorola	0035, 0048
Funai	0000		MTC	0240, 0000
Garrard	0000		Multitech	0000, 0072
Gateway	1972		NEC	0104, 0067, 0041, 0038
GE	0060, 0035, 0240, 0807, 1060, 1035		Nikko	0037
			Noblex	0240
Go Video	0432		Northgate	1972
GoldStar	0037, 0038, 1237		Olympus	0035
Gradiente	0000			

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Optimus	1062, 0162, 0037, 0048, 0104, 0432		Shogun	0240
Orion	0184, 0209, 1479, 0479		Singer	0072
Panasonic	1062, 0035, 0162, 1035, 0616		Sonic Blue	0614, 0616
Penney	0035, 0037, 0240, 0042, 0038, 1035, 1237		Sony	0035, 0032, 0033, 0000, 1232, 0636
Pentax	0042		STS	0042
Philco	0035		Sylvania	0035, 0081, 0000, 0043, 1781
Philips	0035, 0081, 0618		Symphonic	0000
Pilot	0037		Tagar Systems	1972
Pioneer	0067		Tatung	0041
Polk Audio	0081		Teac	0000, 0041
Profitronic	0240		Technics	0035, 0162
Proscan	0060, 1060		Teknika	0035, 0037, 0000
Protec	0072		Thomas	0000
Pulsar	0039		Tivo	0636, 0618
Quasar	0035, 0162, 1035		TMK	0240
RadioShack	0000		Toshiba	0045, 0043, 1145, 0845
Radix	0037		Totevision	0037, 0240
Randex	0037		Touch	1972
RCA	0060, 0240, 0042, 1035, 0880, 0807, 1060		Unitech	0240
			Vector	0045
Realistic	0035, 0037, 0048, 0047, 0000, 0104		Vector Research	0038
			Video Concepts	0045
ReplayTV	0616, 0614		Videomagic	0037
Runco	0039		Videosonic	0240
Samsung	0240, 0045, 1014		Viewsonic	1972
Sanky	0048, 0039		Villain	0000
Sansui	0000, 0067, 0209, 0041, 1479, 0479		Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072
Sanyo	0047, 0240, 0104		White Westinghouse	0209, 0072
Scott	0184, 0045, 0121, 0043		XR-1000	0035, 0000, 0072
Sears	0035, 0037, 0047, 0000, 0042, 0104, 1237		Yamaha	0038
			Zenith	0039, 0033, 0000, 0209, 1479, 0479
Sharp	0048, 0807			
Shintom	0072		ZT Group	1972